X640 - Compact Thermal Imager

# X640
## Compact Thermal Imager

EOTech X640 – Ruggedized Ultra Compact Thermal Imager with 640 x 480 resolution and advanced features!

## BENEFITS

- Simple one-button operation
- Greater scene detail with VGA 640 x 480 resolution
- Video port for simultaneous recording
- Covert operation with fully dimmable microdisplay
- Stows easily into pocket for quick extraction and agile operation in the field and on the run
- Customize camera features with provided user interface software

## FEATURES

- 30 Hz frame rate
- Detect human activity up to 1100 yards away
- 2x, 3x or 4x zoom
- White hot, black hot and 3 color modes
- Temperature measurement & cross hair enabled via supplied software CD
- Survives accidental drops and submersion
- Pocket-sized, weighing only 13 ounces (381 grams)
- Up to 5 hours runtime with two user-replaceable AA lithium batteries*
- Rugged design with integral rubber eye cup - 3-Year Warranty
- Tripod mount (1/4 - 20 thread)

## Camera Kit Includes

- USB Cable
- User Interface Software
- Lens Cloth
- Neck/Wrist Straps
- User Manual
- AA Batteries*

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ANTI-POACHING

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*Compatible with AA alkaline batteries, but improved performance can be obtained with lithium-style batteries.

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# EOTech

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## X640 TECHNICAL SPECIFICATIONS

| FEATURES | | X640 |
|---|---|---|
| FOCAL PLANE ARRAY | MATERIAL & STRUCTURE | Amorphous Silicon Microbolometer |
| | PIXEL COUNT (RESOLUTION) | 640 x 480 pixels |
| | SPECTRAL RESPONSE | 7 to 14 µm (filter bandwidth) |
| | THERMAL SENSITIVITY | ≤ 40 mK |
| THERMAL IMAGING PERFORMANCE | START-UP TIME | 5 seconds (includes 2-second display of start-up logo) |
| | BRIGHTNESS/CONTRAST | Fully automatic |
| | RANGE TO DETECT HUMAN ACTIVITY | Up to 1100 yards |
| | E-ZOOM | 2X, 3X or 4X e-zoom as default on power push button |
| | INFRARED POLARITY | White hot, black hot, detection palettes and custom color modes |
| OPTICS | FOV (H x V) | 24° to 18° (25mm) and 18° to 13.5° (35mm) |
| | FOCAL LENGTH (MM) | 25 and 35 mm options |
| | MINIMUM FOCUS DISTANCE | 3 ft. (1 m) |
| VIDEO | OUTPUT FORMAT | Simultaneous NTSC output available on rear outlet jack |
| | VIEWFINDER DISPLAY | Color LCD (640 x 480 pixels) |
| | VIEWFINDER DIMMING | Integral to power on/off switch |
| POWER | POWER SOURCE | 2 AA batteries (lithium recommended)* |
| | OPERATING TIME | 5 hours with lithium |
| | AUXILIARY POWER | 12 VDC input on rear outlet jack |
| ENVIRONMENTAL CHARACTERISTICS | OPERATING TEMPERATURE | -4 °F to 140 °F (-20 °C to 60 °C) |
| | STORAGE TEMPERATURE | -4 °F to 176 °F (-20 °C to 80 °C) |
| | WATER & SHOCK RESISTANCE | Waterproof to 3 ft. (1 m) submersion, buoyant. Shockproof (MIL-STD-810G, Method 516.6). |
| | EMC COMPLIANCE | FCC Part 15 & CE Mark |
| PHYSICAL CHARACTERISTICS | SIZE | 5 ¼" L x 4 ½" W x 2" H (13.4 x 11.4 x 5.1 cm)(Both Models) |
| | WEIGHT | 13 oz (381 g), batteries installed |
| | EYE CUP | Integral to camera body |
| ORDERING INFORMATION | CAMERA PART NUMBERS | 30 Hz - 24° Camera -5002330-1<br>30 Hz - 18° Camera -5002331-1 |
| CAMERA FEATURES | – White hot, black hot, detection palettes and custom color modes<br>– On-screen battery level indicator<br>– Left- or right-hand operation with rugged slip-resistant grip<br>– ¼ - 20 tripod mount | – Tactile battery loading feature for stealth nighttime operation<br>– External power input and video output jacks<br>– Long eye-relief viewfinder for use with glasses, face shields, masks, etc.<br>– Push-button control to activate feature set |
| STANDARD EQUIP MENT | – 2 AA lithium batteries<br>– Neck strap & wrist strap<br>– Lens cover | – Lens cleaning cloth<br>– USB cable<br>– Interface software CD |
| OPTIONAL EQUIPMENT | – MOLLE-Compatible soft pouch - 5002070<br>– DVR cable 5002024 | – BNC video cable - 5002068<br>– A/C power adapter - 5002067 |

Specifications subject to change without notice.

*L-3 EOTech is ISO 9001:2000 certified.*

*This material consists of L-3 Warrior Systems general product information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-11.*

*1201 E. Ellsworth Road, Ann Arbor, MI 48108*

Optional Equipment Example:

2X AFocal sold separately

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